



## USER INTERFACE FOR COMMUNICATION SYSTEM

Name of Inventors: Saligrama Venkatesh et al.  
Name & Telephone Number of Person to Call If Necessary:  
Scott A. Blake - (419) 255-5900  
Serial No. 09/692,268 Sheet 1 of 16 Docket No. 1-82248

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FIG. 1

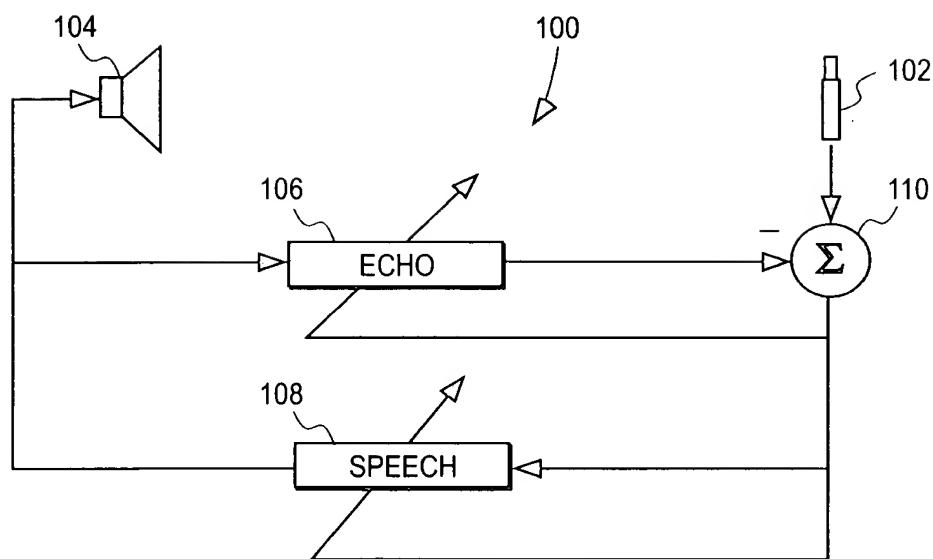
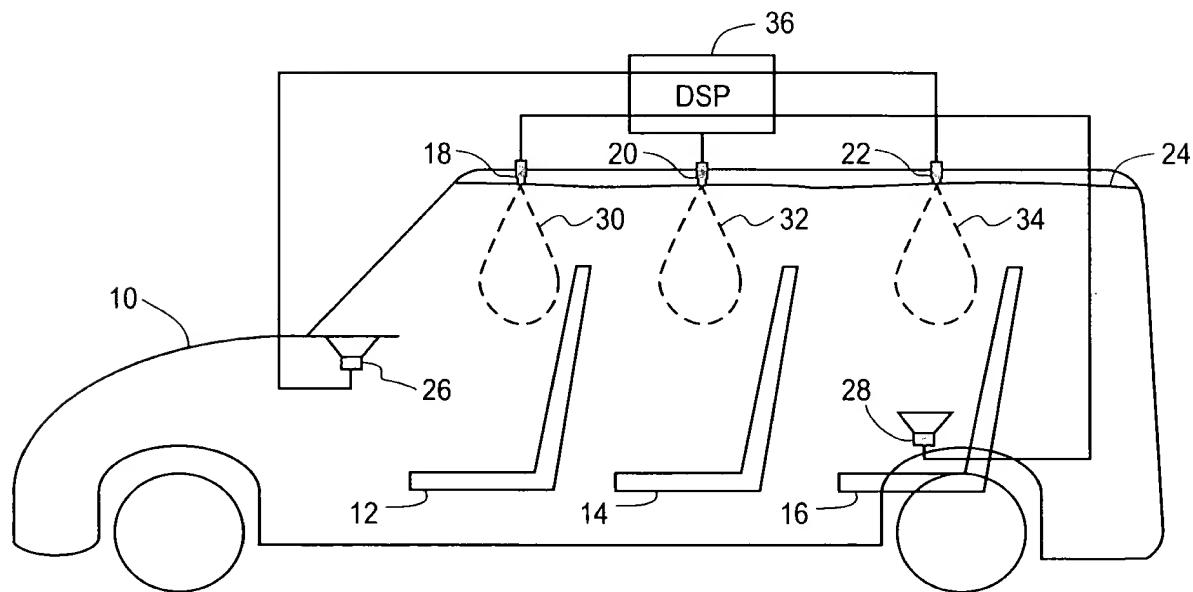


FIG. 2



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FIG. 3

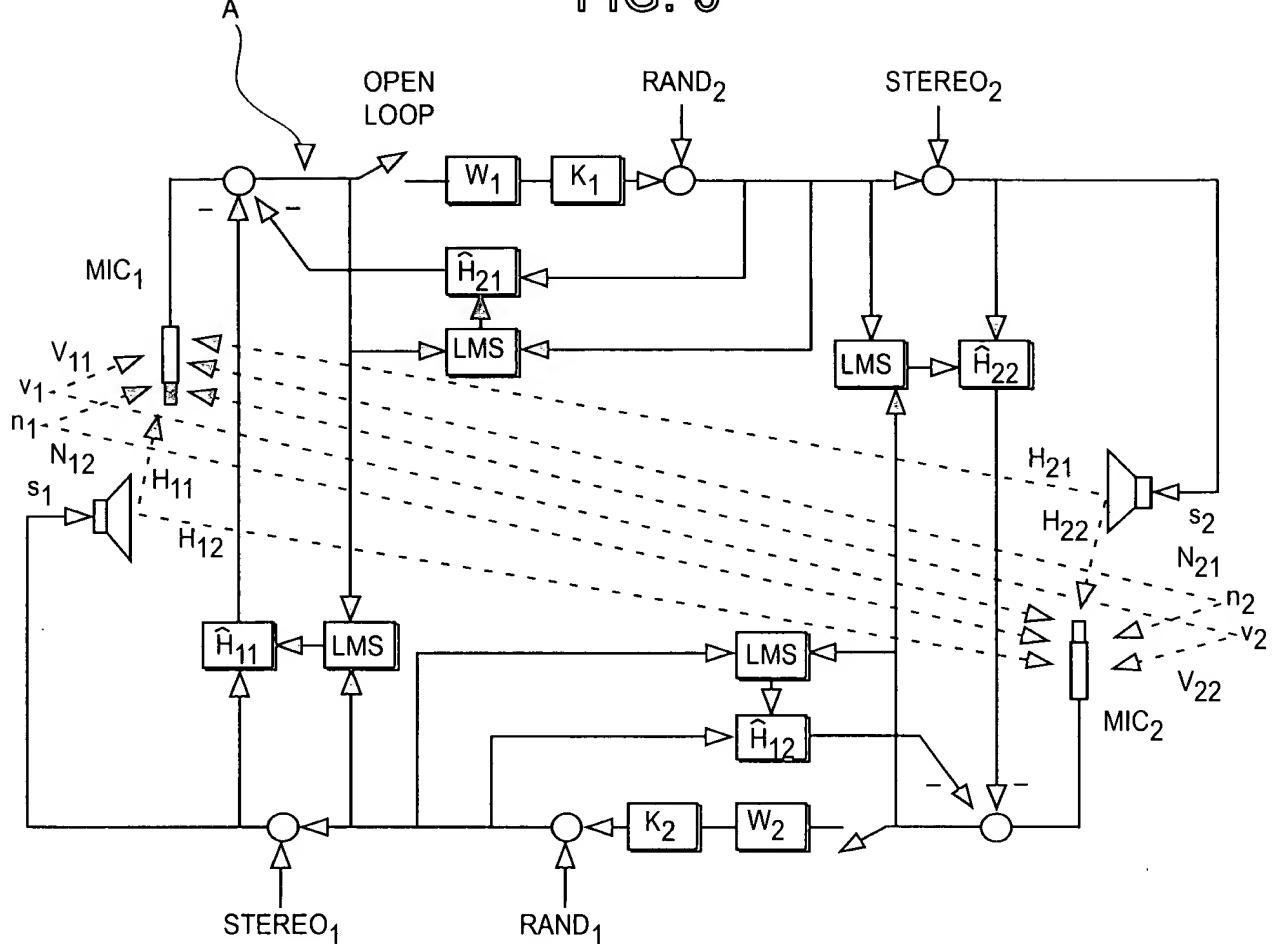
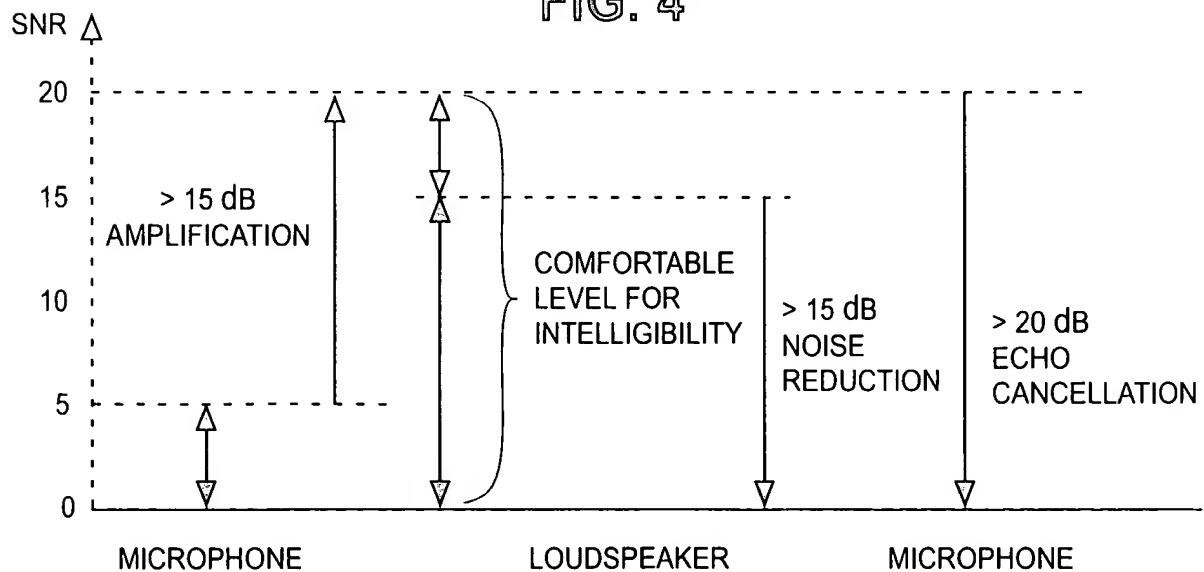


FIG. 4



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FIG. 5

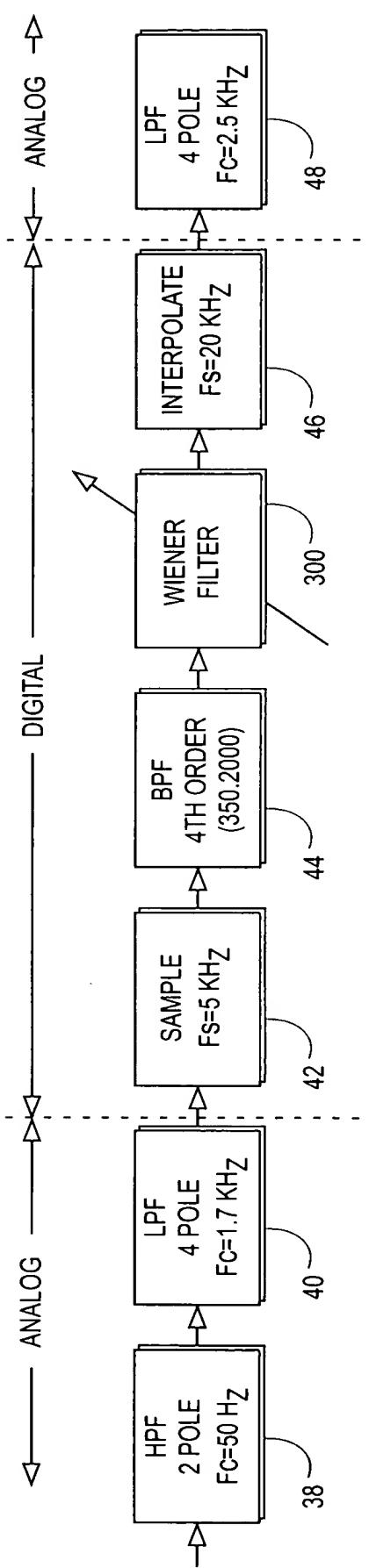
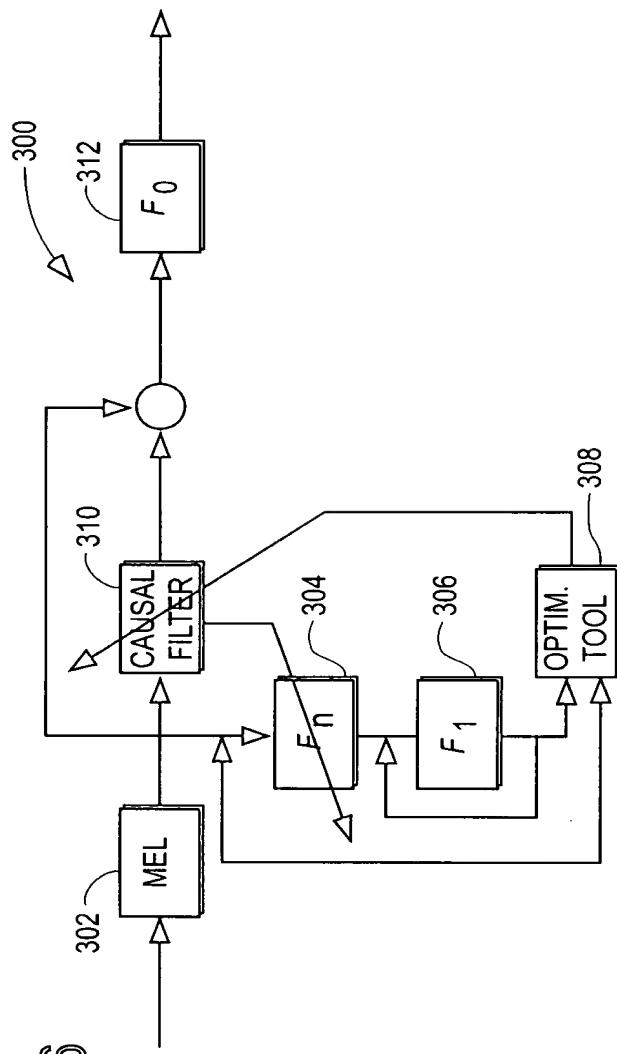


FIG. 6

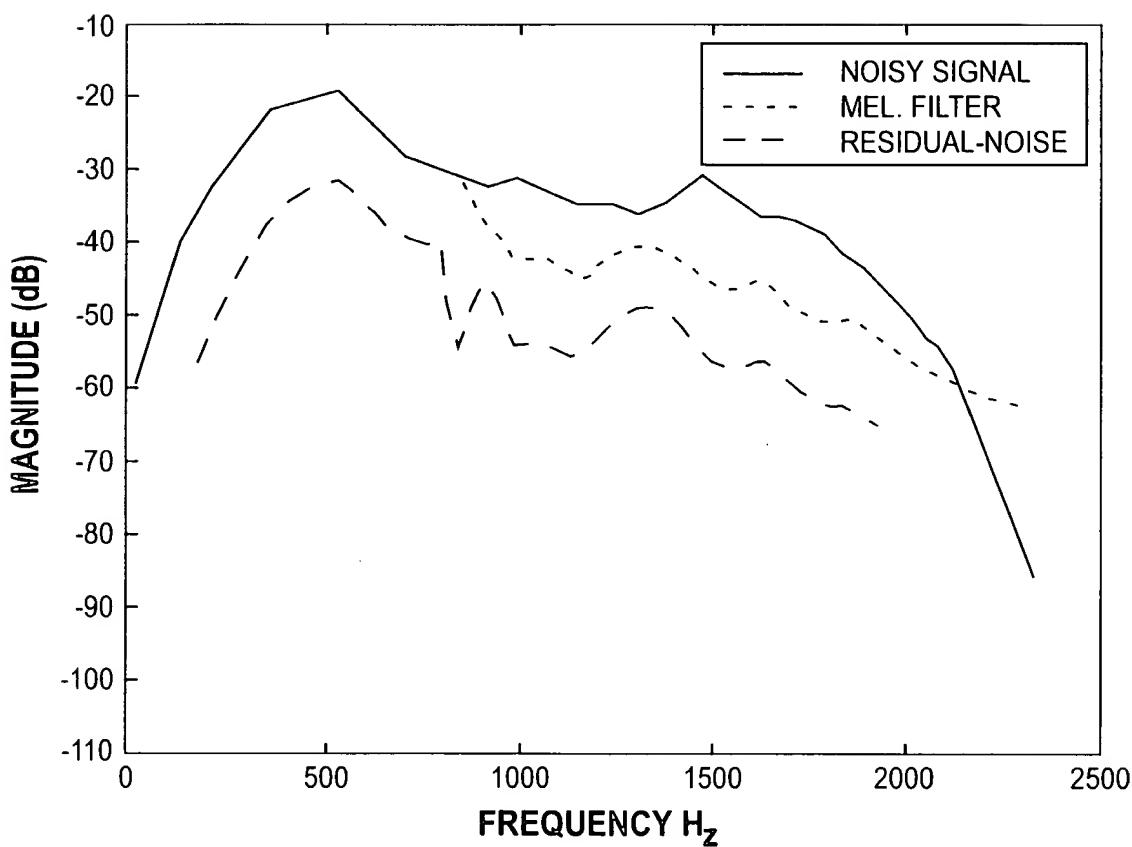


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FIG. 7



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FIG. 8

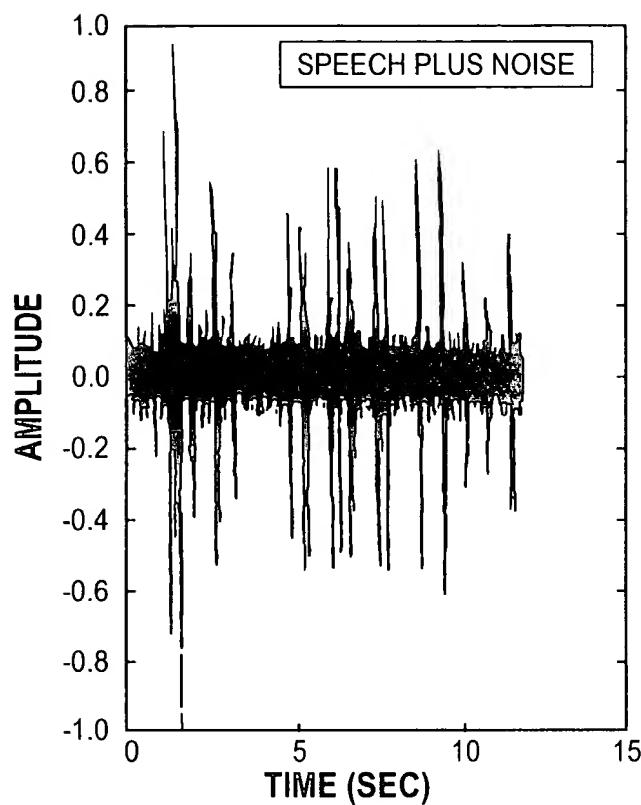
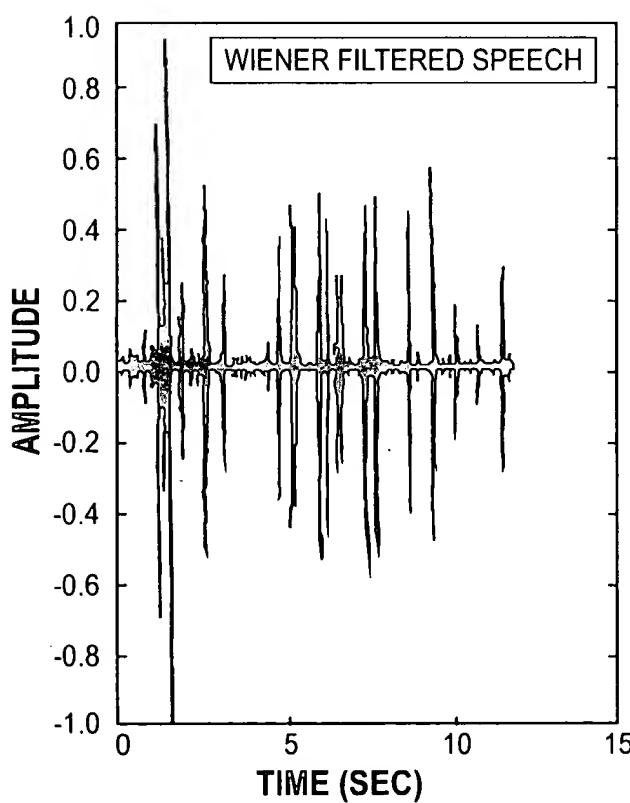


FIG. 9





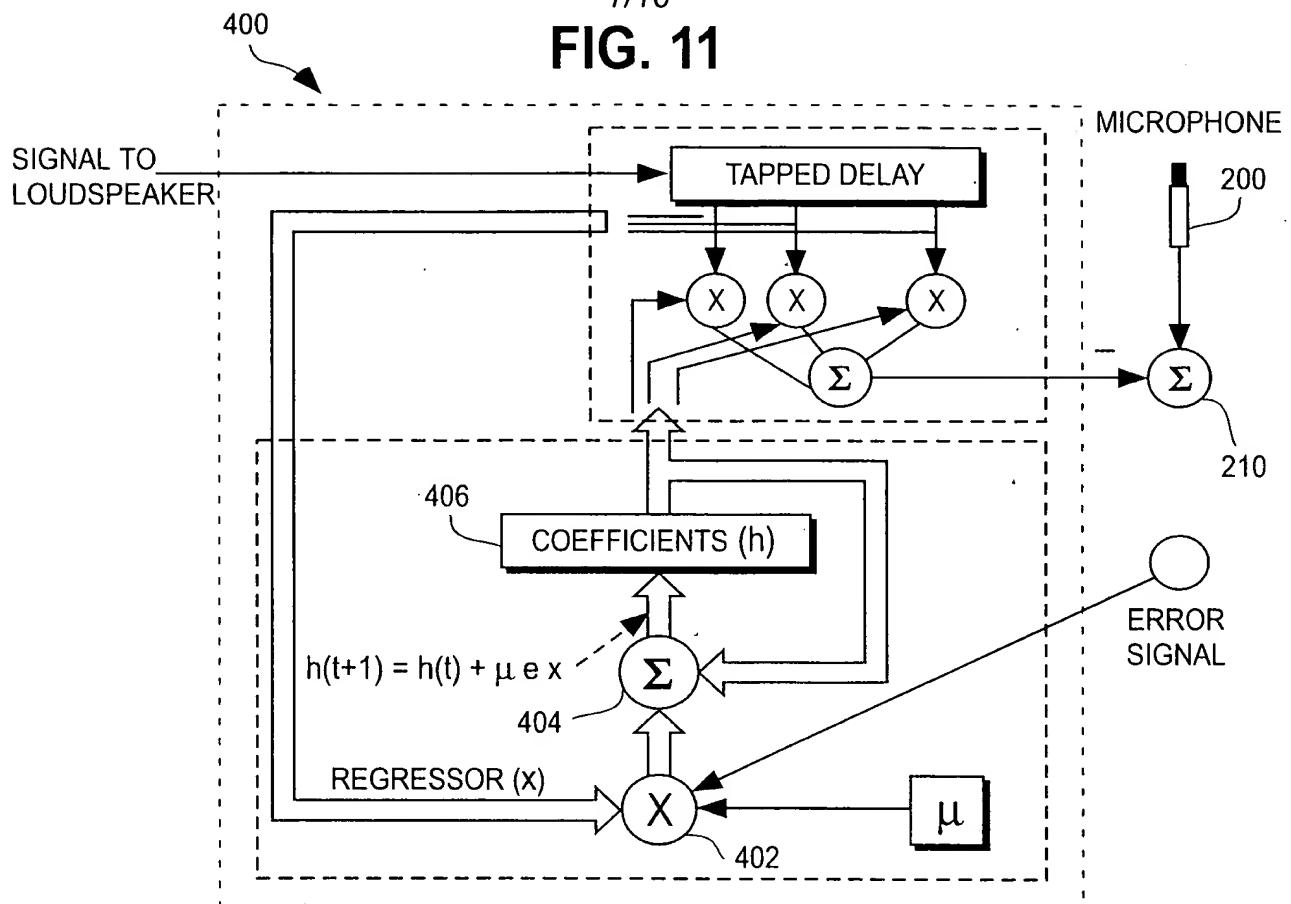
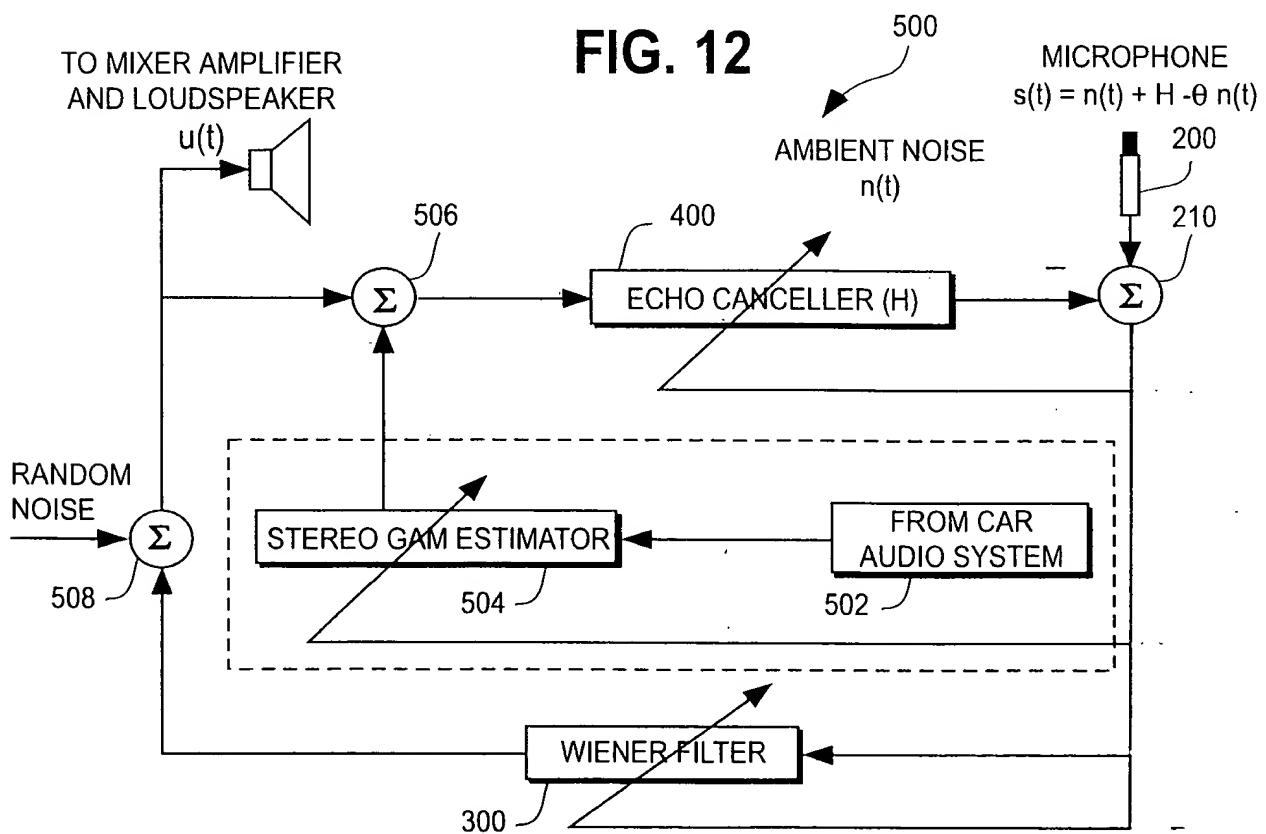


FIG. 12



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## FIG. 13

```

m=20;delays=30;sig=.00;n=170;
y=filter(h,1,r)+sig*n;
htp1=ht(1:delays+m);
pn=eye(m);
L=length(ht);
ind=delays+m:m:n;
lind=length(ind);
kg=zeros(m,(lind-1) *m+1);

for j=1:lind
ind0(1:m,j)=[(j-1) *m+1:j *m] +delays;
end
htemp=ht(ind0);

for k=200:10000
ind1=k-ind0;
[htemp(:,1:k),pn,an]=rls1(pn,y(k-1),r(ind1(:,1)),htemp(:,1),1);

for l=(ind-1) *m:-1:1
kg(:,l+1)=kg(:,l);
end

kg(:,1)=k0;

for j=2:lind
htemp(:,j)=htemp(:,j)+kg(:,(j-1) *m+1)*(an-htemp(:,j))^(l *r(ind1(:,j)));
end

```

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FIG. 14

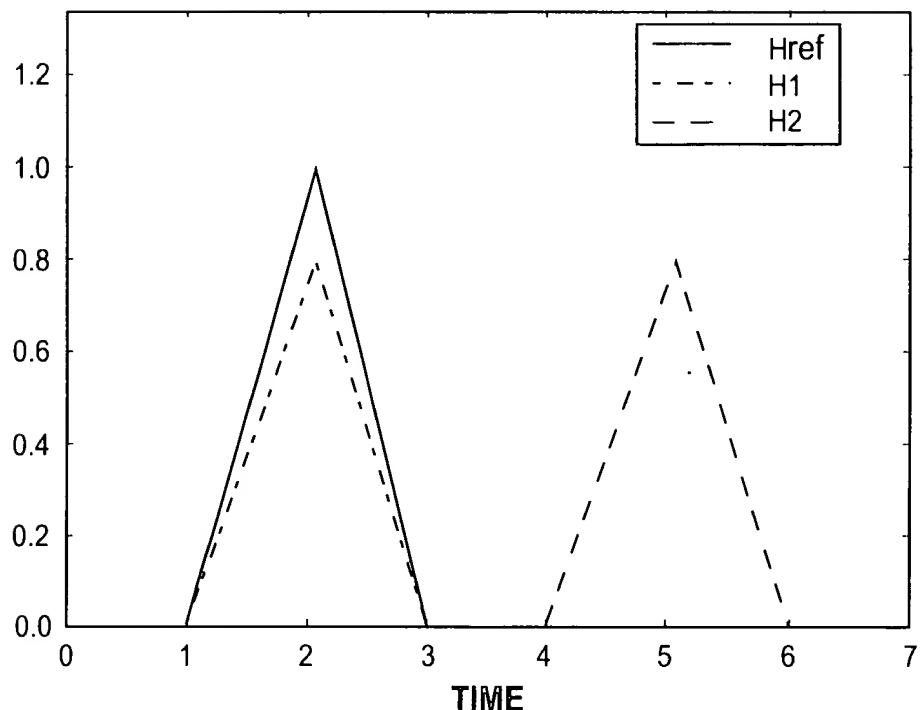
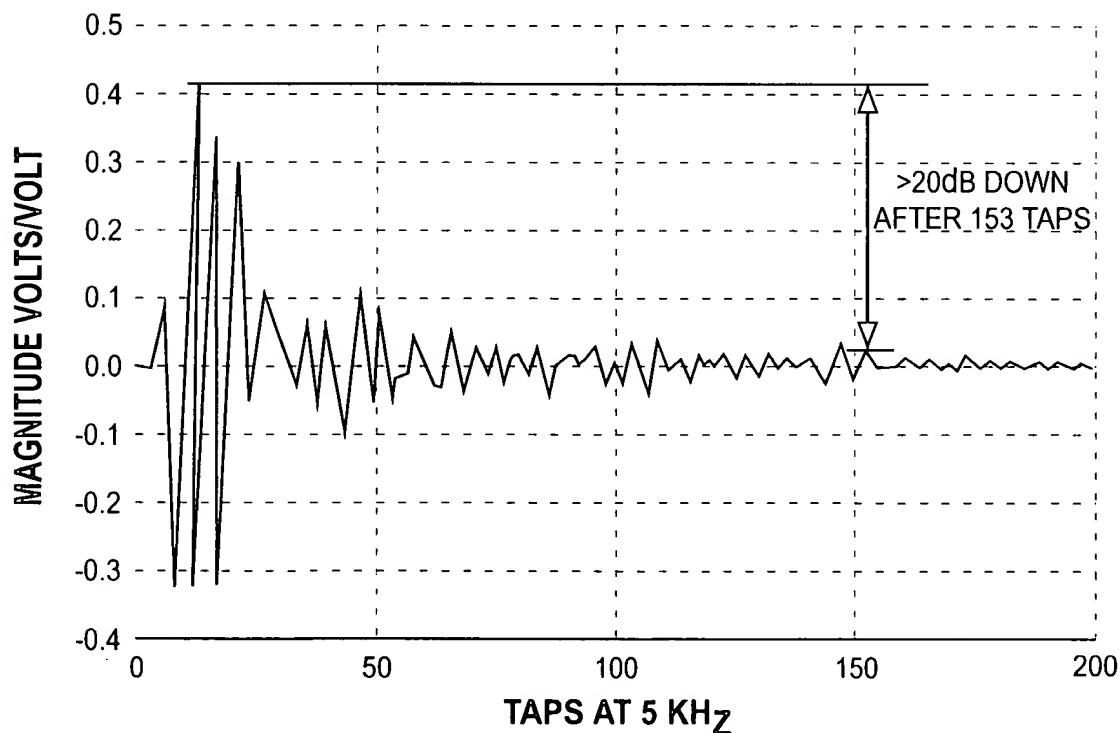


FIG. 15



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FIG. 16

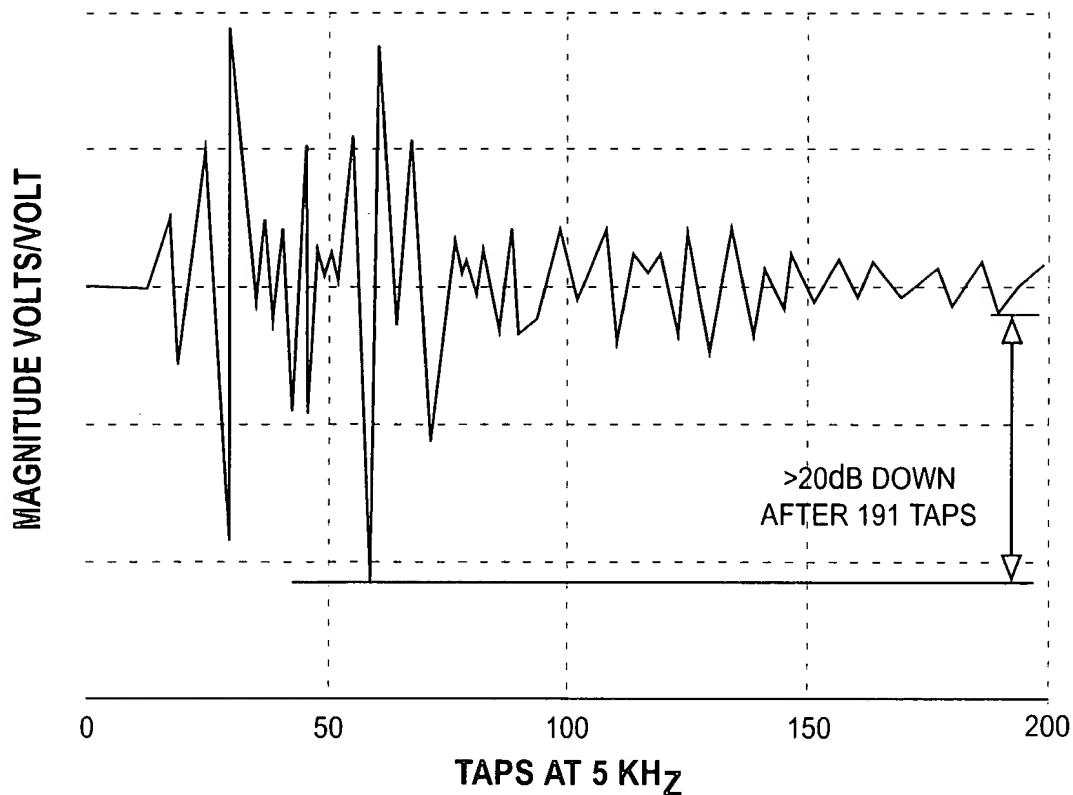
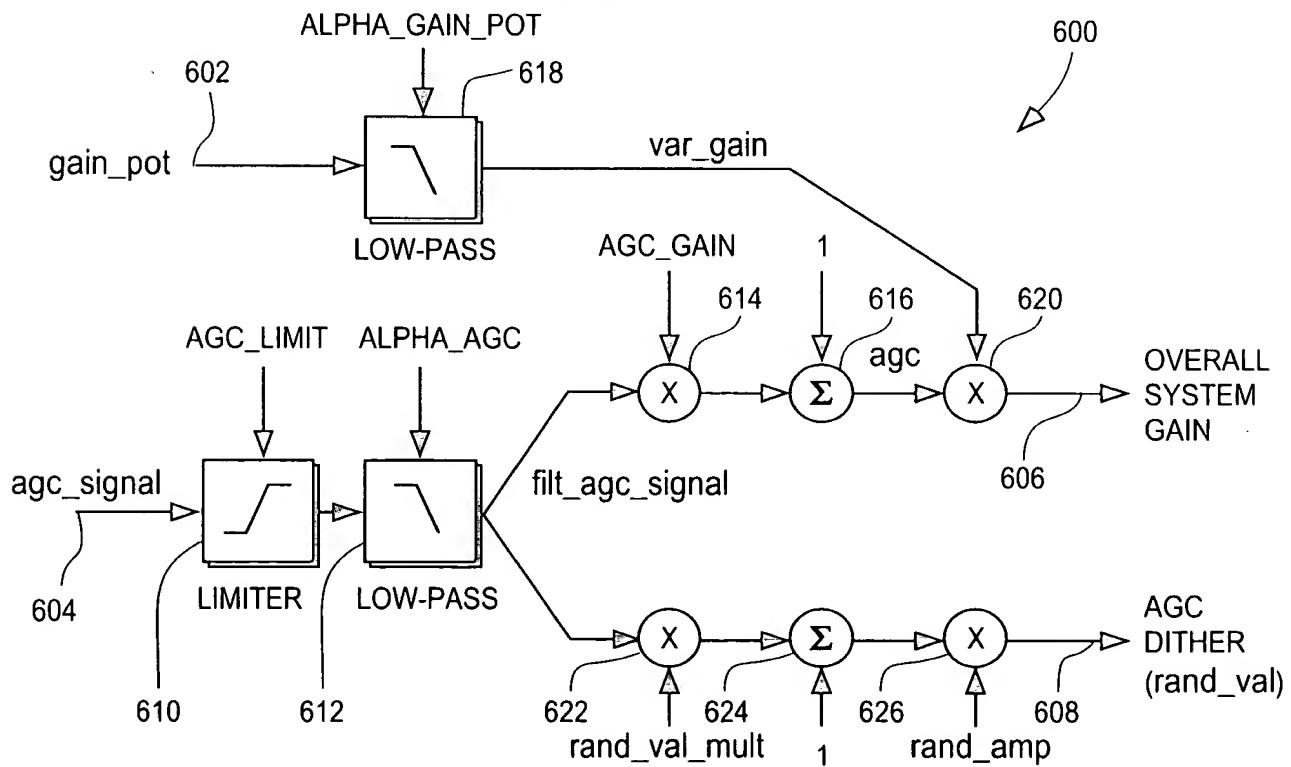


FIG. 17



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FIG. 18

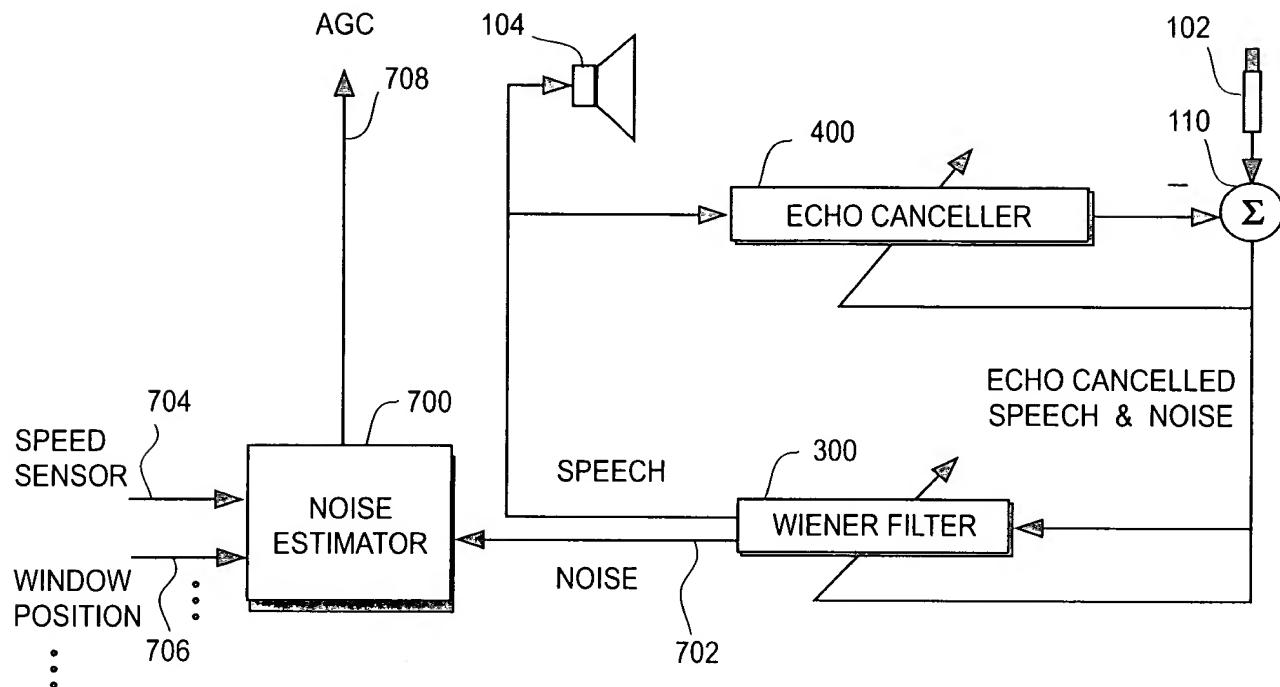


FIG. 19

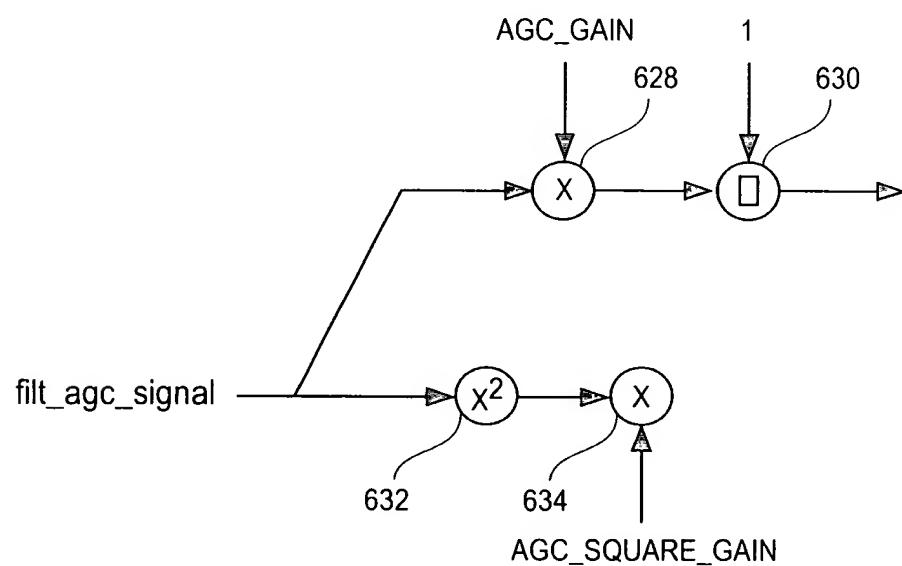


FIG. 20

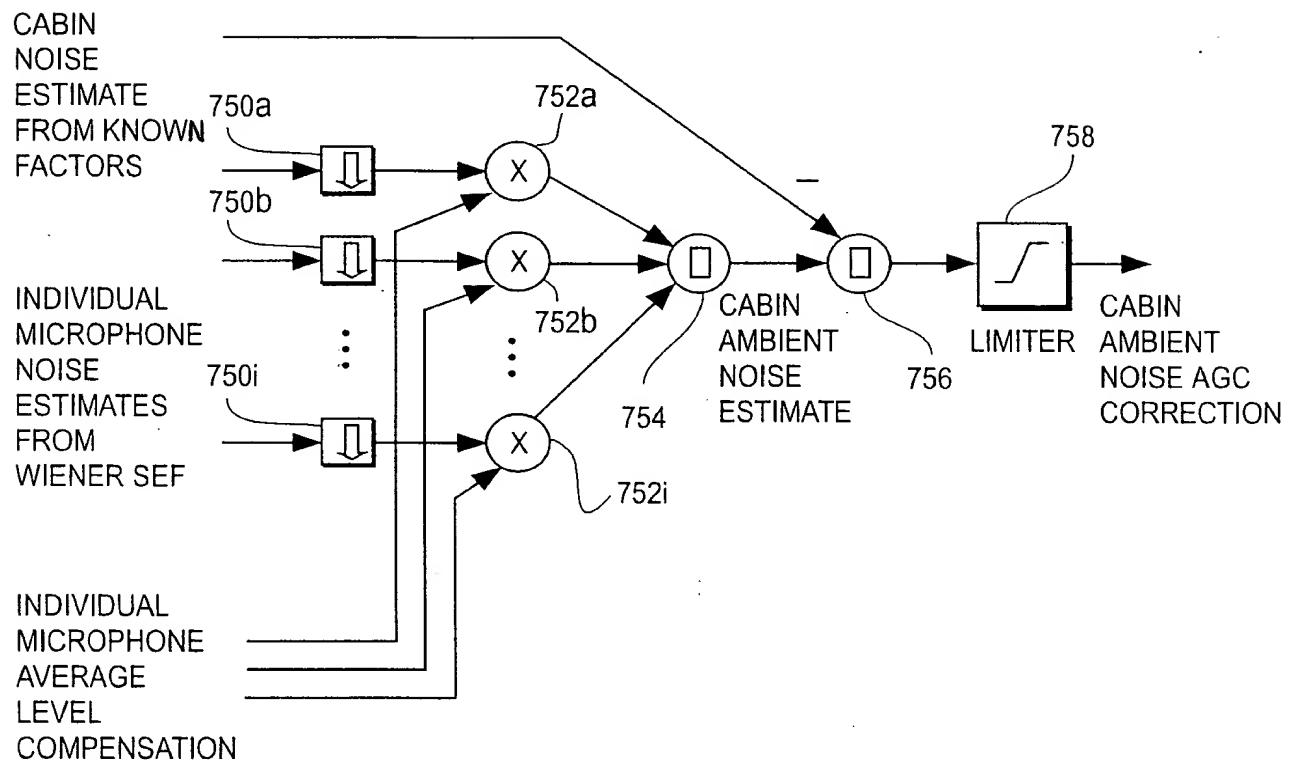
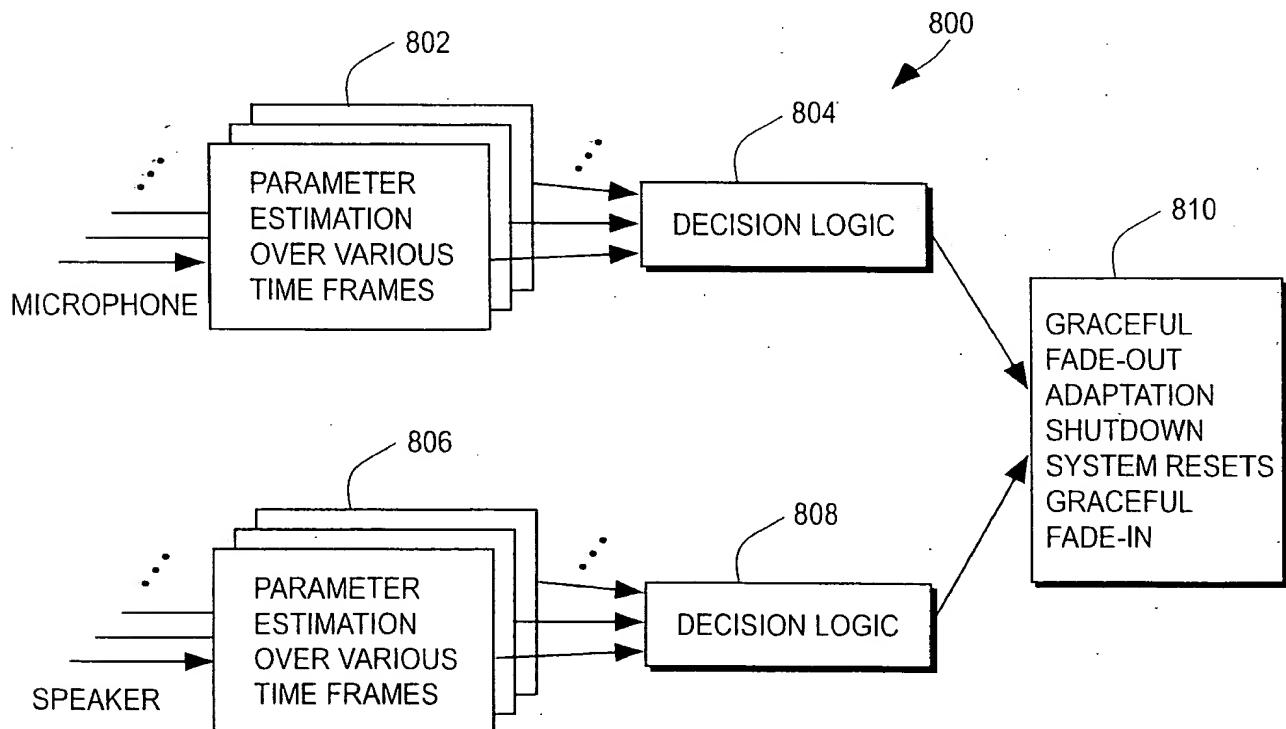


FIG. 21



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FIG. 22

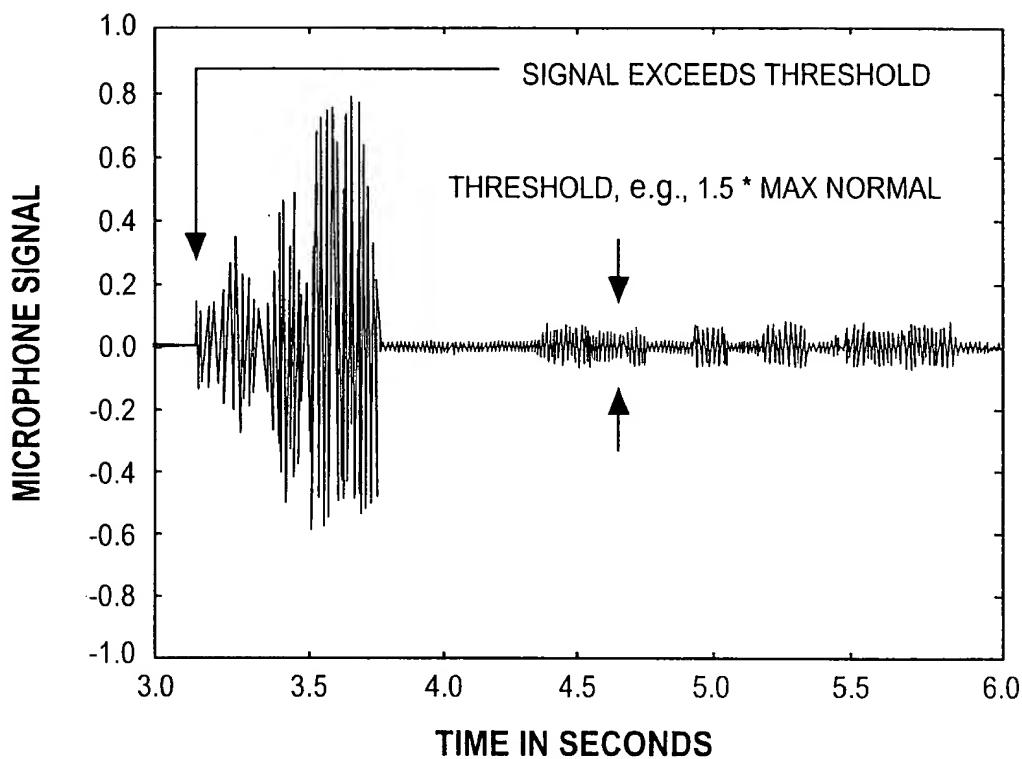
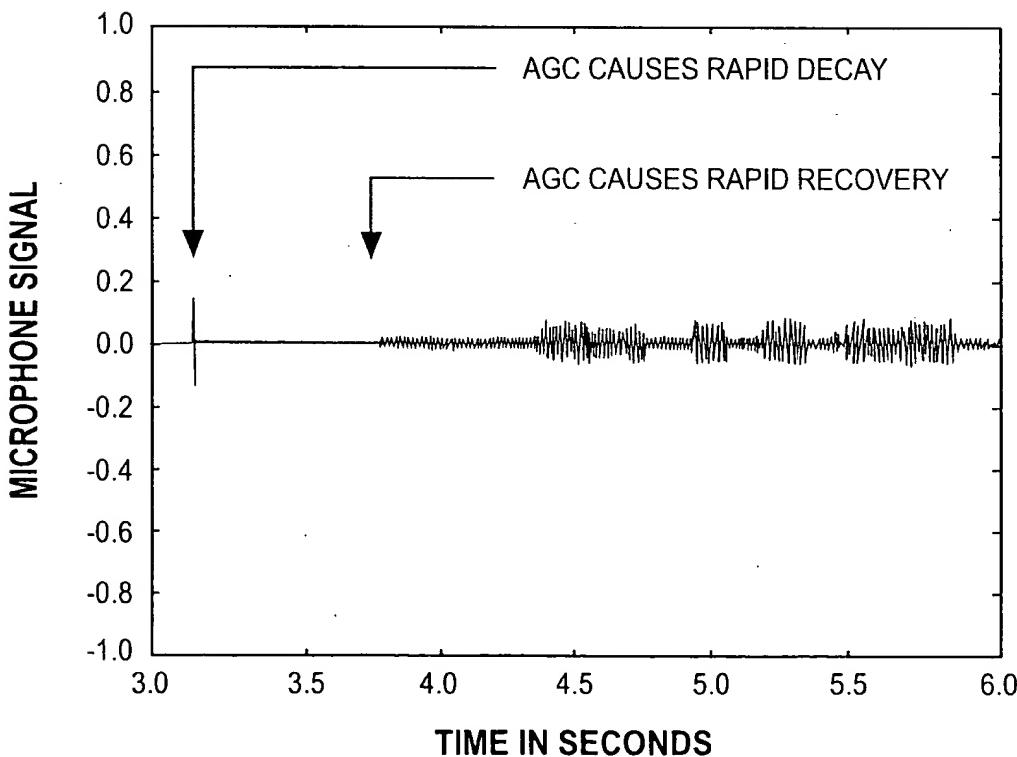


FIG. 23



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FIG. 24

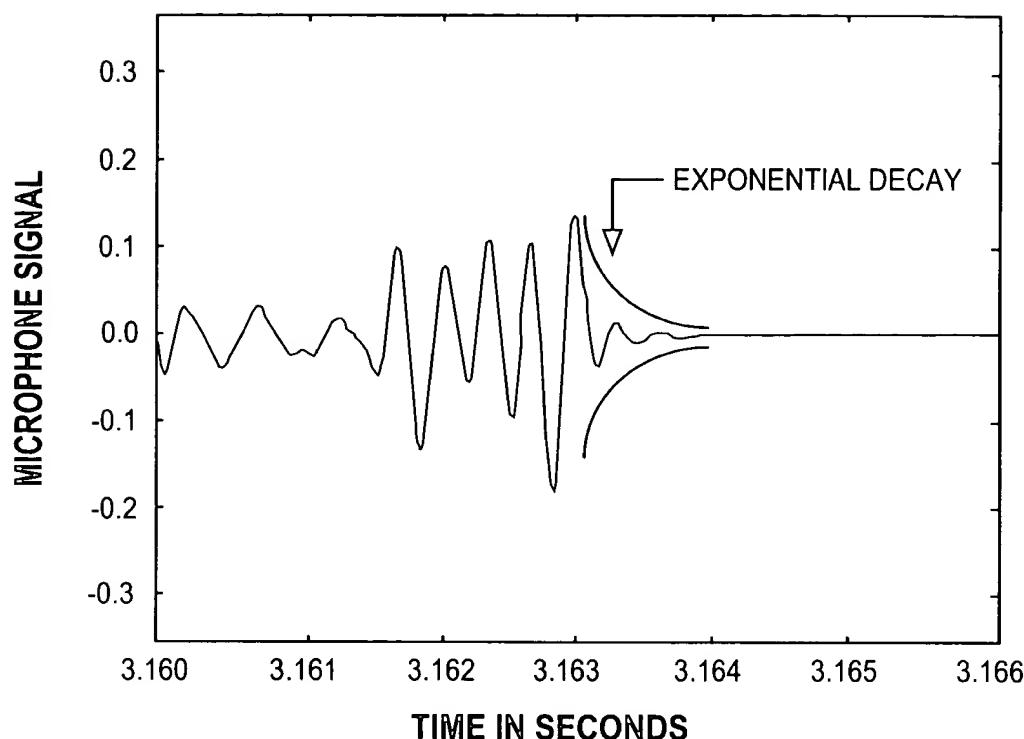
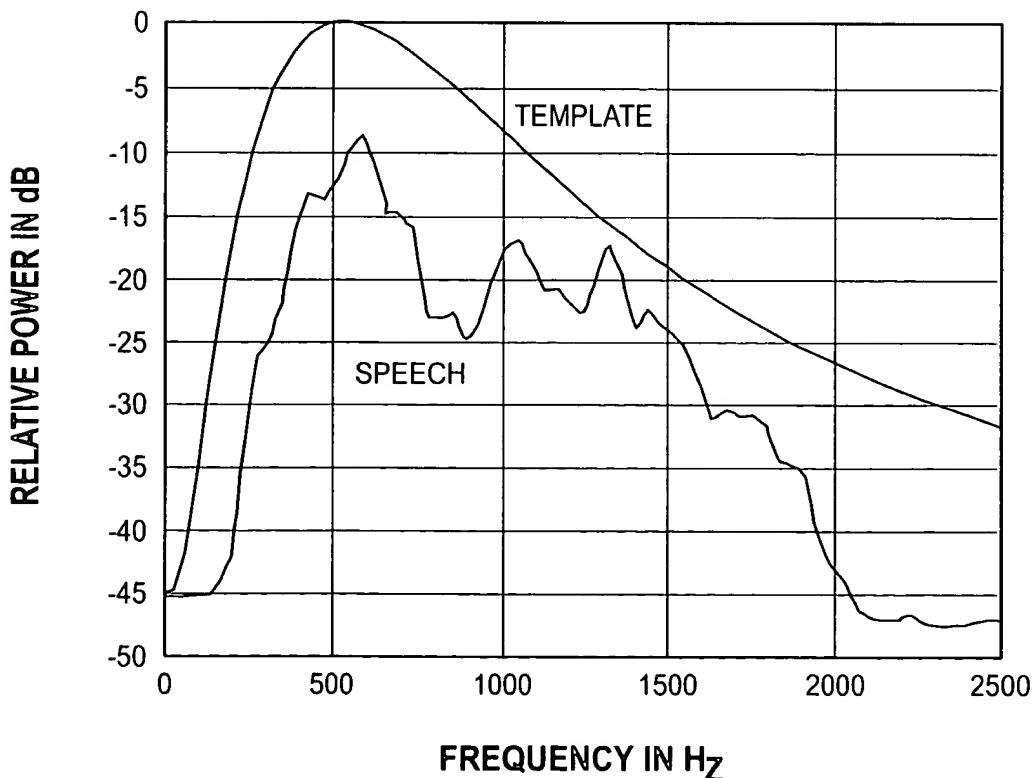
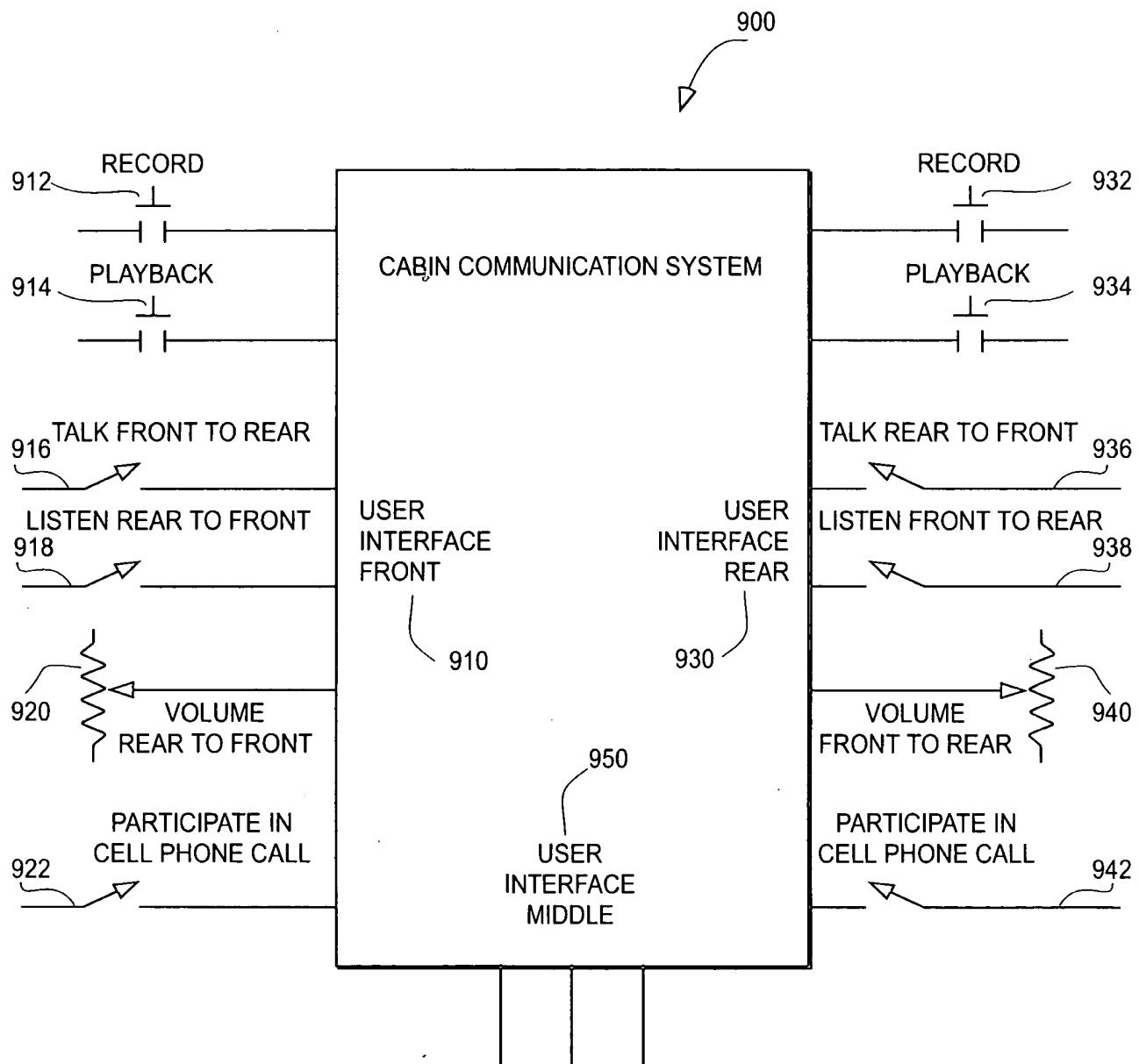


FIG. 25



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FIG. 26



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FIG. 27

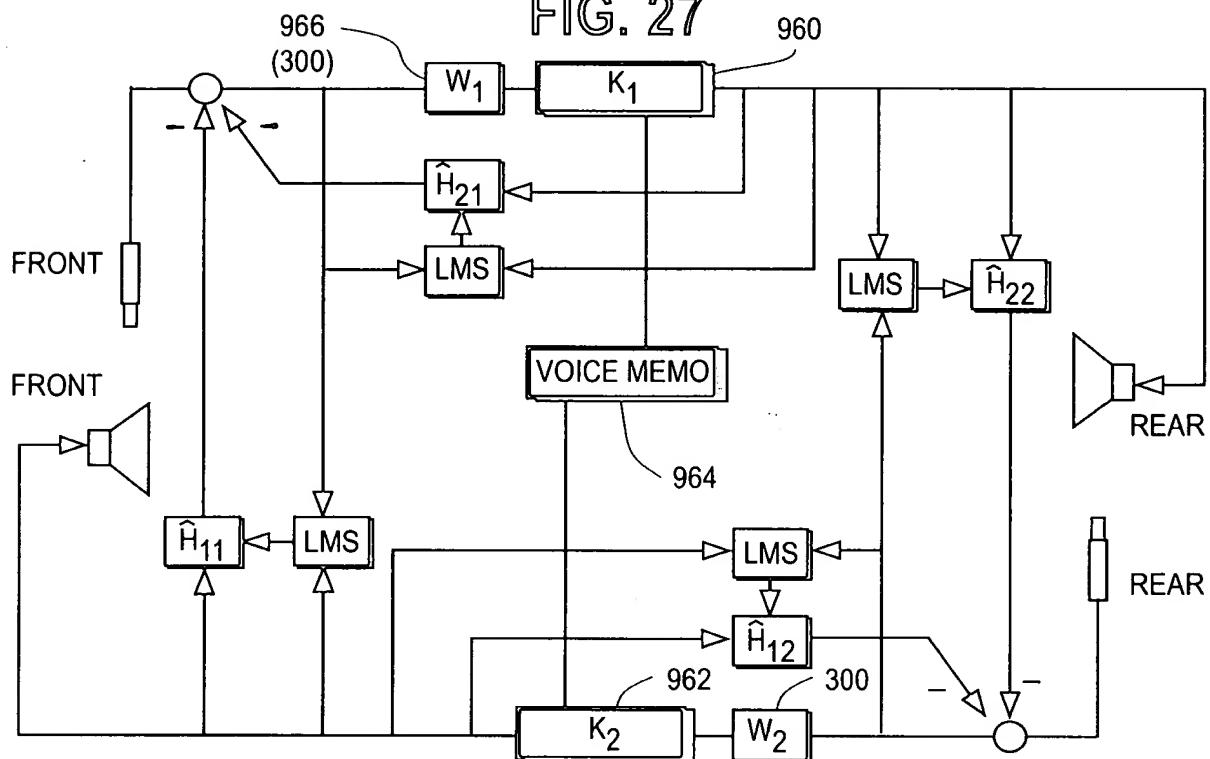


FIG. 28

